

W A R M L E Y

R U R A L D I S T R I C T C O U N C I L.

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A N N U A L R E P O R T

O F T H E

M E D I C A L O F F I C E R O F H E A L T H

F O R T H E

Y E A R 1944

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WARMLEY RURAL DISTRICT COUNCIL.

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Composition of the District:-

Parishes of BITTON.  
HANHAM ABBOTS..  
MANGOTSFIELD RURAL.  
OLDLAND, and  
SISTON.

Chairman:- Mr. J. T. Tanner.

Vice-Chairman:-  
Mr. A. Williams.

Members:- Mr. C. C. Atchison.  
Mr. F. L. Drew.  
Mr. S. H. Ford.  
Mr. G. C. Fuge. (Appointed 1.8.44.)  
Mr. Wm. Hale.  
Mr. A. H. Harris.  
Mr. J. Y. Ivens.  
Mr. A. Lear.  
Mr. S. J. Perrett.  
Mr. J. W. Reed.  
Mr. A. G. Sheere.  
Mr. F. Walker. (Died July, 1944).  
Mr. H. Williams.

Clerk of the Council:-

Sir Seymour Williams, K.B.E..

Public Health Staff:-

Medical Officer of Health:-

James Menzies Cormack, M.B., Ch.B., D.P.H..

Surveyor and Sanitary Inspector:-

Captain W. H. Knee, M.I.M. & C.E., A.R.San.I..

Serial Number of Report .. 35.



## STATISTICS.

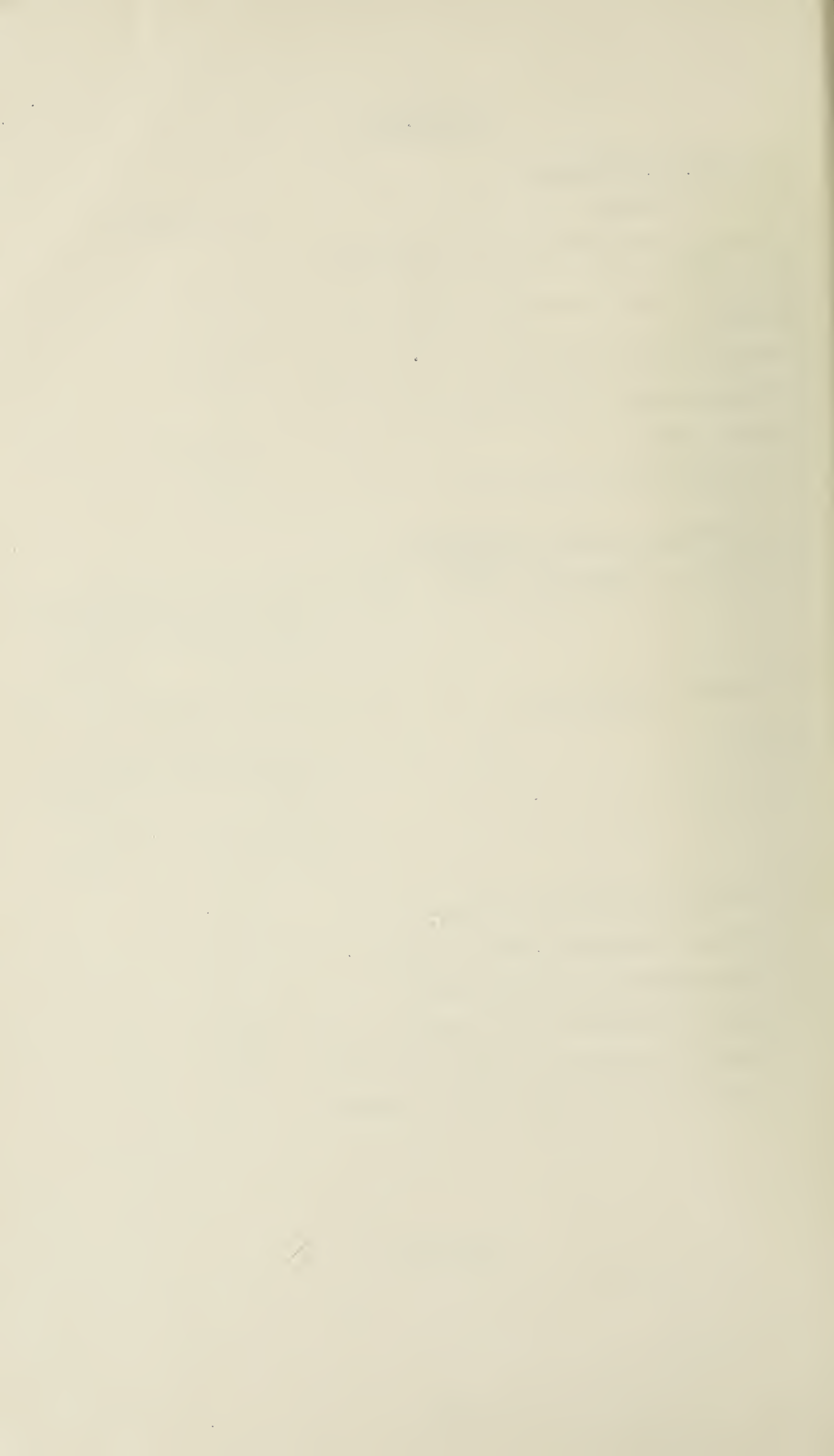
### (a) General Statistics.

Area of District.	8,843 acres.
Population: Registrar-General's estimate mid - 1944.	9,170.
Population as per National Registration Census.	9,762.
Number of inhabited houses per Rate Books.	2,740.
Estimated number of Void Houses.	-
Rateable Value.	£37,965.
Sum represented by penny rate.	£158.

### (b) Extracts from Vital Statistics.

		Total.	M.	F.	
Live Births.	Legitimate.	167.	84.	83.	Birth Rate per 1,000 estimated resident population mid-1944. 19. Birth rate for England and Wales. 17.6.
	Illegitimate	7.	4.	3.	
Stillbirths.	Legitimate.	6.	2.	4.	Rate per 1,000 total (live and stillbirths) 33.
	Illegitimate.	-	-	-	
Deaths.		102.	44.	58.	Death Rate per 1,000 estimated average population. 11.1  Death Rate for England and Wales. 11.6

Deaths from Puerperal Causes.	Nil.
Deaths of Infants (under 1 year).	7.
Deaths from Cancer (all ages).	17.
Deaths from Measles (all ages).	Nil.
Deaths from Whooping Cough (all ages)	Nil.
Deaths from Diarrhoea (Under 2 years).	1.



Cause.	Under 1 yr.										Total.
	1	5	15	25	45	65	75	-	-	-	
1. Typhoid and Paratyphoid Fevers.											-
2. Cerebro-spinal Fever.											-
3. Scarlet Fever.											-
4. Whooping cough.											-
5. Diphtheria.		1									1
6. Tuberculosis of Respiratory System.			2	2							4
7. Other forms of Tuberculosis.		1									1
8. Syphilitis Disease.											-
9. Influenza.						1	1				2
0. Measles.											-
1. Acute Poliomyelitis and Polioencephalitis.											-
2. Acute infections encephalitis.											-
3M. Cancer of buccal cavity and oesophagus (Males only).					1						2
3F. Cancer of Uterus.						1					2
4. Cancer of Stomach and Duodenum.						2					2
5. Cancer of Breast.					5						5
6. Cancer of all other sites.					2	4	2				8
7. Diabetes							1				1
8. Intra-cranial vascular lesions.					1	2	7				10
9. Heart Disease.				1	3	10	15				29
10. Other diseases of the circulatory system.						1	1				2
11. Bronchitis.	2					2	3				7
12. Pneumonia.	1					1					2
13. Other Respiratory Diseases.											-
14. Ulceration of the Stomach or Duodenum.							2				2
15. Diarrhoea (Under 2 years of age).	1										1
16. Appendicitis.											-
17. Other digestive diseases.					1	1	1				3
18. Hepatitis.				1	4						5
19. Puerperal and post-abortive sepsis.											-
20. Other maternal causes.											-
21. Premature Birth.											-
22. Congenital malformations, birth injury, infantile disease.	2										2
23. Suicide.					1						1
24. Road traffic accidents.		1		2							3
25. Other violent causes.						1					2
26. All other causes.				1	2	2	2				7







TABLE OF INCIDENCE OF INFECTIOUS DISEASES FOR EACH PARISH.

<u>Disease.</u>	<u>Bitton.</u>	<u>Hanham Abbots.</u>	<u>Mangotsfield Rural.</u>	<u>Oldland.</u>	<u>Siston.</u>	<u>Total.</u>
Scarlet Fever.	3.	5.	2.	3.	4.	17.
Diphtheria.	-	-	-	-	5.	5.
Measles.	1.	10.	2.	3.	1.	17.
Whooping Cough.	4.	16.	-	5.	-	25.
Puerperal Pyrexia.	-	-	-	-	1.	1.
Ophthalmia Neonatorum.	-	-	-	1.	-	1.
	8.	31.	4.	12.	11.	66.



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TABLE SHOWING INCIDENCE OF INFECTIONS DISEASES IN AGE GROUPS.

Disease.	Under 1 Yr.	1-2.	2-3.	3-4.	4-5.	5-10.	10-15.	15-20.	20-35.	35-45.	45-65.	65 & over.	Total Cases. Admtd. Hospital.	Total Deaths.
Smallpox.													-	-
Scarlet Fever.			1.		1.	11.	1.	3.					4.	-
Diphtheria.					1.	3.			1.				3.	1.
Measles.	1.	2.	1.	1.	4.	8.							2.	-
Whooping Cough.	3.	2.	2.	6.	1.	10.			1.				-	-
Enteric Fever including Paratyphoid.													-	-
Puerperal Pyrexia & Fever.									1.				1.	-
Pneumonia.													-	-
Erysipelas.													-	-
Ophthalmia Neonatorum.	1.												1.	-
	5.	4.	4.	7.	7.	32.	1.	3.	2.	-	1.	-	9.	1.



NEW CASES.

DEATHS.

	<u>Respiratory.</u>		<u>Non-Respiratory.</u>		<u>Respiratory.</u>		<u>Non-Respiratory.</u>	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 Year.	-	-	-	-	-	-	-	-
1 - 5 years,	-	-	-	-	-	-	-	-
5 - 15 years.	1.	-	1.	-	-	-	1.	-
15 - 25 years.	1.	3.	-	-	-	1.	-	-
25 - 35 years.	2.	1.	-	-	1.	1.	-	-
35 - 45 years.	1.	1.	-	-	-	-	-	-
45 - 55 years.	1.	-	-	-	-	1.	-	-
55 - 65 years.	1.	-	-	-	-	-	-	-
65 years and over.	-	-	-	-	-	-	-	-
Totals.	7.	5.	1.	-	1.	3.	1.	-



TABLE SHOWING TUBERCULOSIS CASES.

## DEATHS.

## NEW CASES.

NEW CASES.				DEATHS.			
Respiratory.		Non-Respiratory.		Respiratory.		Non-Respiratory.	
M.	F.	M.	F.	M.	F.	M.	F.
45 Years. ? Occupation.	33 Years. Housewife.	6 Years. School.		33 Years. ? Occupation,	21 Years. Packer, Choc. Factory.	6 Years. School.	
41 Years. ? Occupation.	21 Years. ? Occupation.				32 Years. ? Occupation.		
12 Years. School.	18 Years. Soap Powder Factory, Packer.				55 Years. ? Occupation.		
24 Years. Army.	21 Years. ? Occupation.						
28 Years. Engineer.	40 Years. ? Occupation.						
30 Years. ? Occupation.							
59 Years. Watchman, Timber Dump.							
7.	5.	1.	-	1.	3.	1.	-





## SCABIES ORDER, 1941.

Since the inception of this Order co-operative arrangements have been established with Bristol City whereby verminous persons are treated at the Bristol Clinics. Appointments for attendance at the Clinics are made at this Council Office. Where families are heavily infested and children require indoor treatment, arrangements can be made for their admission to the Evacuee Sick Bay at Chipping Sodbury by the Medical Officer of Health.

These arrangements have been found satisfactory.

## NUISANCES.

Number of nuisances abated by informal methods, 14.

Number of nuisances which have been dealt with  
by Statutory Notices, 4.

## DAIRIES, COWSHEDS & MILKSHOPS.

Improvements have been made at five farms and dairies.

## MEAT & FOOD INSPECTION.

Approximately 40,000 carcasses have been slaughtered; approximate amount of meat condemned as unfit for human consumption 4½ tons.

## BRANCH SEWERS.

The Branch Sewers Scheme for the whole district was submitted to the Ministry in 1938/9 but owing to the outbreak of war no further proceedings have taken place.

## WATER SUPPLIES.

Generally throughout the district water is supplied by the West Gloucestershire Water Company. This is a private Company which operates throughout South Gloucestershire. The water supply from the Company has been satisfactory in both quantity and quality and copies of chemical and bacteriological analyses are appended. (A.B. and C.)

No action has been necessary in respect of any form of contamination. Very good relations are established with the Company and upon any matters of doubt or difficulty consultations take place between the Secretary to the Company and the Medical Officer of Health.

Details follow giving the proportion of dwelling houses supplied direct or by stand posts. (D.)

The small district of Swinford is served by an independent supply from a spring within the precincts of Bathavon Rural District. Some years ago a small impounding was made surrounding the source and since then samples have been reasonably satisfactory for a supply of this type. All the houses are supplied direct. Copy of Analysis appended. (E.)



COPY.

A.

WEST GLOUCESTER WATER COMPANY.  
KINGSWOOD, BRISTOL.

9.

S.S.80.

Analysis of sample of Frampton output water taken on 1st Jan.1945.  
The Counties Public Health Laboratories.

Appearance: Clear and bright.

Colour: Normal. Odour: Nil.

Reaction, pH Neutral 7.5 Acidity as CO<sub>2</sub> 1.3

Electric conductivity at 20°C 650 Alkalinity as Ca CO<sub>3</sub> 29.0

Results expressed in parts per 100,000.

Ca.	Mg.	Na.	CO <sub>3</sub>	SO <sub>4</sub>	Cl.	NO <sub>3</sub>	SiO <sub>2</sub>	Probable Combinations.
6.22.1	(6.9)	17.4	6.3	2.6	0.00	1.2		
6.2		9.3						Calcium carbonate 15.5
	2.1	5.2						Magnesium carbonate 7.3
		2.2	2.9					Sodium carbonate 5.1
		3.0		6.3				Sodium sulphate 9.3
		1.7			2.6			Sodium chloride 4.3
						1.2		Silica 1.2
								Difference 0.8
Total solid constituents dried at 180°C.								43.5

Hardness-Total 24.5 Temporary 24.5 Permanent 0.0

Free Ammonia 0.0044 = Ammoniacal Nitrogen 0.0036

Albuminoid Ammonia 0.0000 = Albuminoid Nitrogen 0.0000

Oxygen absorbed in 4 hours at 80°F 0.015

Nitrogen in Nitrates 0.00 Nitrogen in nitrites: absent

Metals: absent

NOTE: To convert the above parts per 100.000 into grains per gallon multiply by 0.7

'Free chlorine reaction': 0.15 part per million.

BACTERIOLOGICAL RESULTS.

No.of Colonies per c.c.or ml. Bacteriological sample dechlorinated on collection.

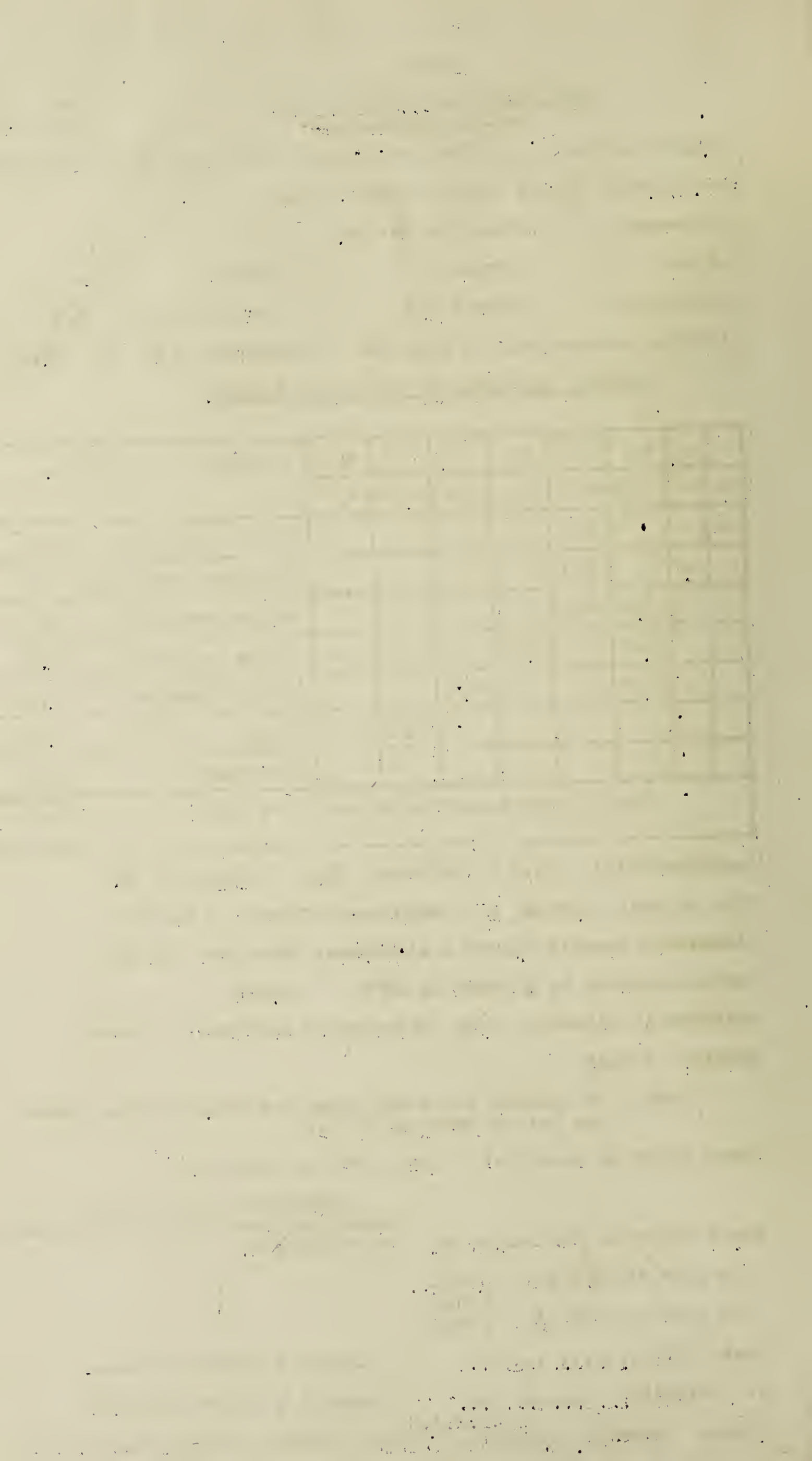
On Agar at 37°C in : 1.day. 1  
2 days 1

On Agar at 20°C in : 3 days 4

Bact. Coli ... .. Present - Absent 100 c.c.

Cl. welchii... .. Present - Absent 100 c.c.

Signed Charles W. Martin, F.R.I.C. Gordon Miles, B.Sc., F.R.I.C.





B.

COPY.

THE WEST GLOUCESTERSHIRE WATER COMPANY,  
KINGSWOOD, BRISTOL.

10.

Analysis of sample of California output water taken on 1st Jan., 1945.

The Counties Public Health Laboratories.

Appearance: Clear and bright.

Colour: Normal. Odour: Nil.

Reaction, pH. Neutral. 7.5 Acidity as CO<sub>2</sub> 1.5

Electric conductivity at 20°C 870.

Alkalinity as Ca CO<sub>3</sub> 32.5

Results expressed in parts per 100,000.

Ca.	Mg.	Na.	CO <sub>3</sub>	SO <sub>4</sub>	CL.	NO <sub>3</sub>	SiO <sub>2</sub>	Probable combinations.
6.8	1.4	(14.0)	19.5	11.2	6.0	0.8	0.8	
6.8			10.2					Calcium carbonate 17.0
	1.4		3.5					Magnesium carbonate 4.9
		4.4	5.8					Sodium carbonate 10.2
		5.4		11.2				Sodium sulphate 16.6
		3.9			6.0			Sodium chloride 9.9
		0.3				0.8		Sodium nitrate 1.1
							0.8	Silica 0.8
								Difference 0.5
Total solid constituents dried at 180°C.								61.0

Hardness-Total 22.5 Temporary 22.5 Permanent C.0

Free Ammonia 0.0032 = Ammoniacal Nitrogen 0.0026

Albuminoid Ammonia 0.0000 = Albuminoid Nitrogen 0.0000

Oxygen absorbed in 4 hours at 80°F 0.020

Nitrogen in Nitrates 0.18 Nitrogen in nitrites absent.

Metals: Iron: 0.007 Other metals absent.

NOTE: To convert the above parts per 100,000 into  
grains per gallon multiply by 0.7

'Free chlorine reaction': absent.

BACTERIOLOGICAL RESULTS.

No. of Colonies per c.c. or ml. Bacteriological sample dechlorinated  
On Agar at 37°C. in : 1 day. on collection. 0.  
2 days. 0.  
On Agar at 37°C. in : 3 days. 0.

Bact. Coli. ... .. Present - Absent 100 c.c.  
Cl. welchii ... .. Present - Absent 100 c.c.

(Signed) Charles W. Martin, F.R.I.C. Gordon Miles, B.Sc. F.R.I.C.





THE WEST GLOUCESTERSHIRE WATER COMPANY,  
KINGSWOOD, BRISTOL.

S.S. 80

Analysis of sample of Shipton Moyne output water taken on 1st Jan., 1945.

The Counties Public Health Laboratories.

Appearance: Bright - very slight deposit of iron oxide.

Turbidity: Less than 5 parts per million, silica scale.

Colour: Normal. Odour: Nil.

Reaction, pH. Neutral. 7.4 Acidity as CO<sub>2</sub> 1.4

Electric conductivity at 20°C 600

Alkalinity as Ca CO<sub>3</sub> 24.5

Results expressed in parts per 100,000.

Ca.	Mg.	Na.	CO <sub>3</sub>	SO <sub>4</sub>	Cl.	NO <sub>3</sub>	SiO <sub>2</sub>	Probable Combinations.
7.2	1.1	(6.0)	14.7	4.4	4.6	0.00	1.0	
7.2			10.8					Calcium carbonate 18.0
	1.1		2.7					Magnesium carbonate 3.8
		0.9	1.2					Sodium carbonate 2.1
		2.1		4.4				Sodium sulphate 6.5
		3.0			4.6			Sodium chloride 7.6
							1.0	Silica 1.0
								Difference 1.0
Total solid constituents dried at 180°C.								40.0

Hardness-Total: 23.0 Temporary: 22.5 Permanent: 0.5

Free Ammonia: 0.0084 = Ammoniacal Nitrogen: 0.0069

Albuminoid Ammonia 0.0000 = Albuminoid Nitrogen: 0.0000

Oxygen absorbed in 4 hours at 80°F. 0.005

Nitrogen in Nitrates: 0.00 Nitrogen in nitrites Less than 0.001

Metals: Iron: Total: 0.055 In solution: 0.007 Other metals absent.

NOTE: To convert the above parts per 100,000 into grains per gallon, multiply by 0.7

'Free chlorine reaction': 0.07 parts per million.

BACTERIOLOGICAL RESULTS.

No. of Colonies per c.c. or ml.

On Agar at 37°C. in : 1 day.

1

2 days.

1

On Agar at 20°C. in : 3 days.

5

Bact. Coli ... .. Present - Absent 100 c.c.

Cl. welchii ... .. Present - Absent 100 c.c.

(Signed) Charles W. Martin F.R.I.C. Gordon Miles B.Sc., F.R.I.C.



D.

COPY.

THE WEST GLOUCESTERSHIRE WATER COMPANY,  
KINGSWOOD, BRISTOL.

8.  
23.8.45.

ANALYSIS ) 1944.

Bacteriological samples of output water examined during 1944.

	<u>B.Coli</u>	
	<u>Absent</u>	<u>Present</u>
	<u>in 100 m/l</u>	
Shipton Moyne Pumping Station	27.	-
Frampton Cotterell	23	-
California.	<u>3</u>	<u>-</u>
Total Company's sources	53	-
Consumer's taps	18	5
Reservoirs	<u>3</u>	<u>-</u>
Total samples examined.	<u>74</u>	<u>5</u>

The five samples showing contamination were derived from the only uncovered reservoir at Cross Hands, Old Sodbury. This reservoir will be covered when circumstances permit: meanwhile the water is re-chlorinated when contamination is suspected.

Copies of Chemical analysis from above sources are enclosed.

Dwelling houses supplied.

The numbers of dwelling houses supplied from the Company's mains on 31st December, 1944, are given below: the only properties obtaining a supply from the Company by means of a public standpost are a group of 16 houses at Olveston, in Thornbury R.D. The number of houses drawing from outside taps on the premises is not recorded, but probably does not exceed 1%.

		<u>Unmetered supplies</u>
		<u>31st December, 1944.</u>
Kingswood U.D.		4,877.
Mangotsfield U.D.		4,697.
Warmley R.D.	Bitton Parish.	751
	Hanham Abbots do.	427
	Mangotsfield Rural do.	170
	Oldland.	544
	Siston.	429
		<u>2,321.</u>
Sodbury R.D.		<u>7,301.</u>
Thornbury R.D.		<u>3,016</u>



E

CERTIFICATE OF ANALYSIS.

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Waterfall & O'Brien.  
Analytical, Technical &  
Consulting Chemists.

The Laboratory,  
4, Queen Square,  
Bristol, 1.

3rd November, 1945.

Of a Sample of WATER, Swinford Supply.  
Lab. Ref. No. 14181.

Sent by The M.O.H. and Surveyor, Warmley R.D.C., Warmley.

Appearance: Clear and colourless; slight sediment of  
mineral debris.

Reaction: PH 7.2

Parts per 100,000.

Free and Saline Ammonia,	less than .001
Albuminoid Ammonia,	.005
Chlorine	1.45
equivalent to Sodium	
Chloride,	2.3
Oxygen absorbed (4 hrs.)	0.015
Nitrite,	absent
Nitrates (Nitrogen as)	0.42
Total Solids.	35.0
Loss on ignition	2.5
Appearance on ignition,	no charring
Hardness: Temporary	22.4
Permanent	6.6
Total	29.0

Lead and Copper absent

Bacteriological Examination:

Colonies on Agar @ 20°C. 460 per ml.  
ditto. @ 37°C. 3 per ml.

Presumptive Organisms of the Coli-aerogenes Group, per 100  
ml. 3, and 1 of faecal type.

This may be regarded as a satisfactory water.

(Signed) Waterfall & O'Brien.

